

CLASS Users' Workshop



August 11-12, 2005

<http://www.ngdc.noaa.gov/stp/class/workshop2.html>

What Is CLASS?

- ❖ The Comprehensive Long Array-data Stewardship System – a long term archive and data access system.

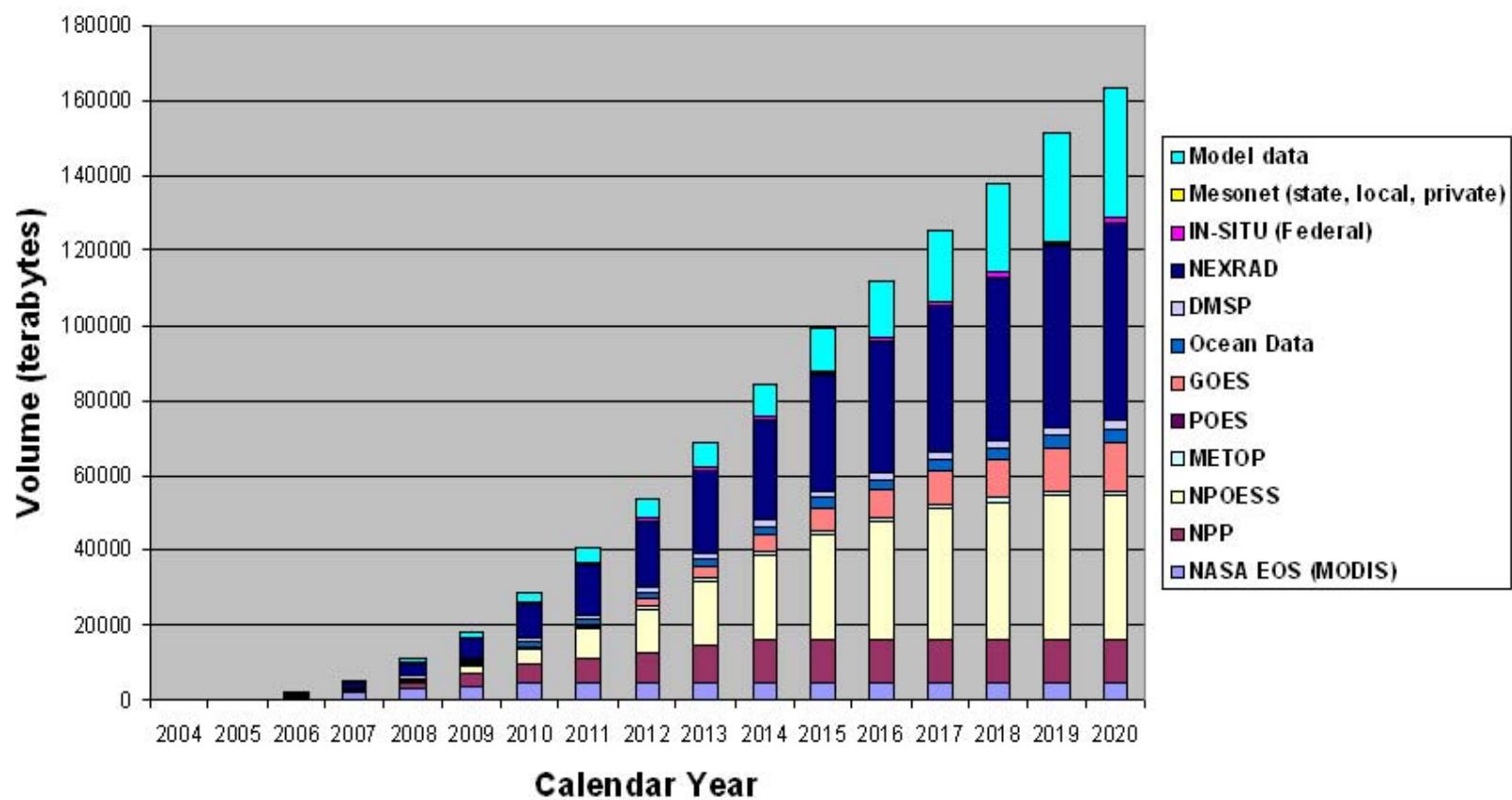
What Data Will Be In CLASS?

- POES
- GOES
- DMSP
- Metop
- NPP
- NPOESS
- MODIS
- NEXRAD
- Others

Workshop Objectives

- ❖ To provide users with information on CLASS.
- ❖ To begin defining the data delivery capabilities CLASS should build based on user requirements.
- ❖ To collect recommendations from the user community.
- ❖ To begin a set of long term collaborations between CLASS and a several large volume data users.

Projected CLASS Data Holdings By Year



Why Is NOAA Investing In CLASS?

- Because the data collected for operational use have long term scientific value.
 - Some products require a time series of data inputs not maintained by operational centers.
 - Building long term records suitable for analyzing environmental change is best done outside of the processing center serving the real time customers.
 - NOAA wants to enable wide participation in the generation of long term calibrated data records and assessments.

Where Are The CLASS Sites?

- Primary satellite data feeds will be from the NOAA-NSOF in Suitland, MD.
- Primary data storage / distribution sites will include NCDC and NGDC.
- Portions of the data holding will be at NASA IV & V and NSOF.
- Development and backup operations at NOAA-NSOF.

QUESTIONS

Will CLASS reprocess or generate products?

Good question!

Will CLASS provide access to near real time satellite data?

No. OSDPD distributes NOAA's NRT satellite data.

What role do the NOAA Data Centers have?

- 1) Operation of the CLASS nodes. 2) Curation of the data, products and metadata. 3) Generate products and assessments based on their areas of expertise.**
- 4) Represent the interests of the scientific community.**

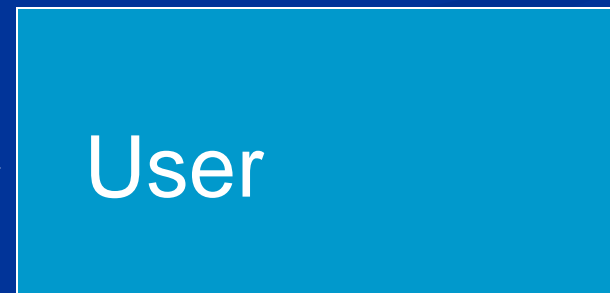
How *Should* CLASS Benefit The Scientific Community?

- ◆ Easy access to archive data holdings.
- ◆ Source for high quality metadata and documentation.
- ◆ Relief from maintaining and curating local archives of fundamental observations.
- ◆ Establishing an environment that encourages innovation and specialization in value added products and services.

CLASS User Configurations

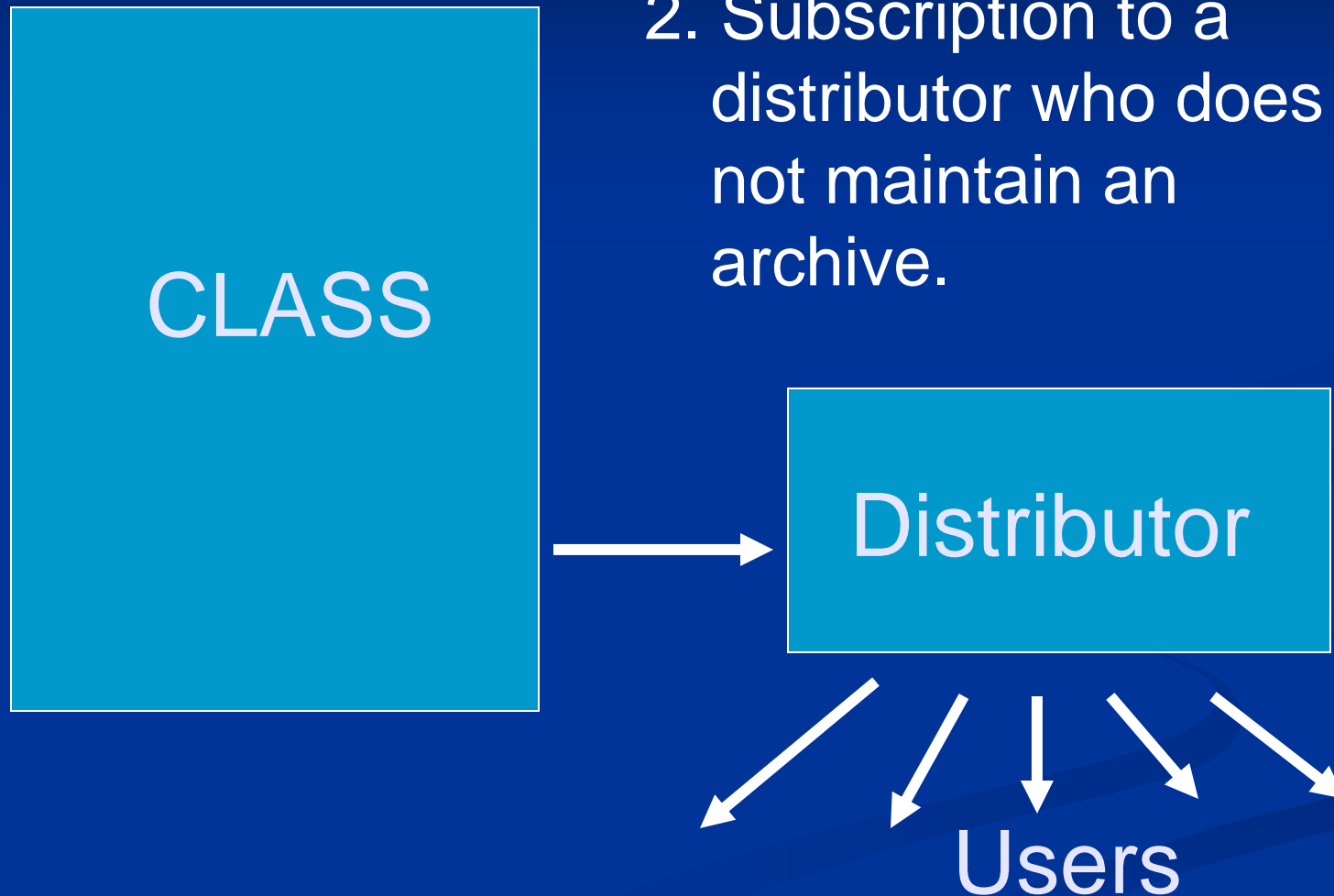


1. Selection and download of datasets via web interface.



CLASS User Configurations

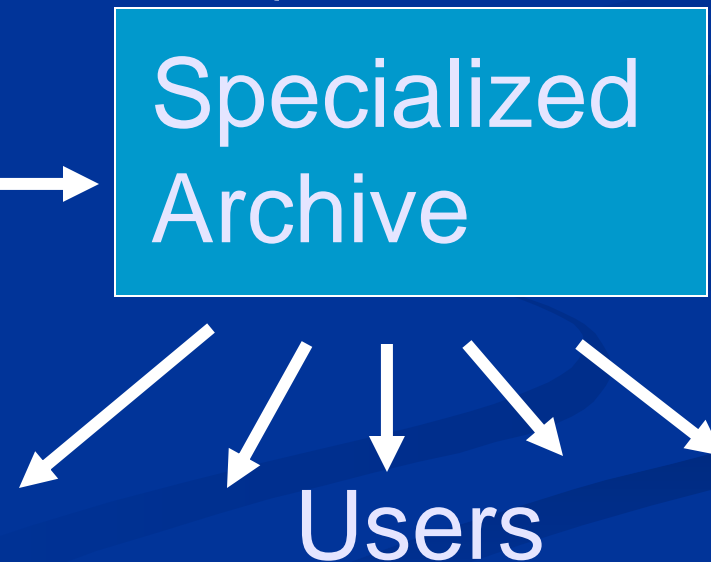
2. Subscription to a distributor who does not maintain an archive.



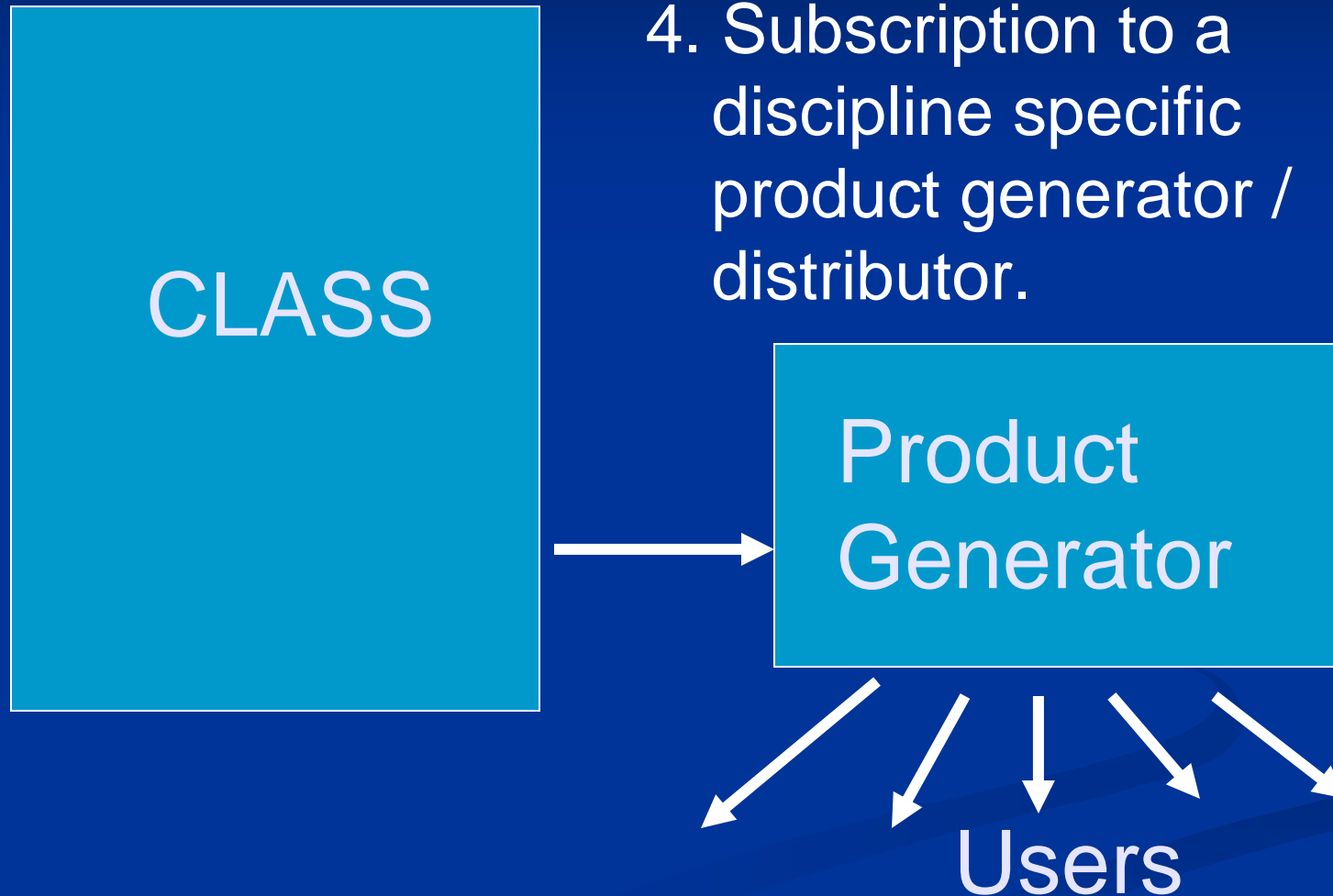
CLASS User Configurations



3. Subscription to build a archive providing specialized services (e.g. Japanese language archive).



CLASS User Configurations



Who Is Here?

- NSIDC - 8
- UCAR - 9
- University of Colorado – 11
- U. of Tokyo - 5
- Other universities - 9
- NOAA -22
- NASA – 10
- Raytheon – 8
- TMC / GST – 6
- Other commercial – 20
- Others - 7

Day One Agenda

- 8:50 Making NOAA's data more accessible to the scientific community,
(Chris Fox, Director, NGDC)
- 9:10 Overview of CLASS (Alex Kidd, CLASS Suitland)
- 9:50 Break
- 10:10 Network and Archive Infrastructure (John Kinsfather, NGDC)
- 10:30 CLASS User Requirements and Creation of Climate data Records
(John Bates, NCDC)
- 11:00 Demo of current system (Amy Drew, CLASS Suitland)
- 11:20 Design plans and options under consideration (Doug Zirkle, CLASS Boulder)
- 12:00 Lunch
- 13:00 User Community Panel: Presentations on science objectives, what data will be
required, with what time delay, access scenarios or preferences.
Followed by discussions.

Garrett Campbell, CIRA
Mark Govett and Darien Davis, NOAA FSL
Ron Weaver, NSIDC
William Emery, University of Colorado
John Townshend, University of Maryland
Mohan Ramamurthy, UCAR Unidata

- 15:00 Break
- 15:20 - Breakout Groups (Weather/Climate, Space, Ocean, Cryosphere, Land)
- 17:00 See questionnaire in packet.

Day Two Agenda

8:00 Continental Breakfast

8:30 Prospects for improving high volume data transfers, Yang Xia, California Institute of Technology

9:30 Break and continuation of breakout group discussions

12:00 Lunch

13:00 Report back from breakout groups

14:00 - Closing discussion with panel of CLASS

16:00 representatives